

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/528,031
Source: PT/10
Date Processed by STIC: 3/25/05

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PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/528,031

DATE: 03/25/2005
TIME: 09:09:11

Input Set : A:\PTO.SR.txt
Output Set: N:\CRF4\03252005\J528031.raw

3 <110> APPLICANT: ORIDIS BIOMED Forschungs- und Entwicklungs GmbH
4 Guelly, Christian
5 Buck, Charles R.
6 Zatloukal, Kurt
8 <120> TITLE OF INVENTION: Polypeptides and nucleic acids encoding these and their use
for the
9 prevention, diagnosis or treatment of liver disorders and epithelial cancer
11 <130> FILE REFERENCE: Oridis Biomed
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/528,031
C--> 14 <141> CURRENT FILING DATE: 2005-03-16
16 <160> NUMBER OF SEQ ID NOS: 73
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 654
22 <212> TYPE: PRT
23 <213> ORGANISM: Homo sapiens
25 <400> SEQUENCE: 1
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28 1 5 10 15
31 Glu Ser Thr Asp Gly Met Ile Leu Gly Pro Glu Asp Leu Ser Tyr Gln
32 20 25 30
35 Ile Tyr Asp Val Ser Gly Glu Ser Asn Ser Ala Val Ser Thr Glu Asp
36 35 40 45
39 Leu Lys Glu Cys Leu Lys Lys Gln Leu Glu Phe Cys Phe Ser Arg Glu
40 50 55 60
43 Asn Leu Ser Lys Asp Leu Tyr Leu Ile Ser Gln Met Asp Ser Asp Gln
44 65 70 75 80
47 Phe Ile Pro Ile Trp Thr Val Ala Asn Met Glu Glu Ile Lys Lys Leu
48 85 90 95
51 Thr Thr Asp Pro Asp Leu Ile Leu Glu Val Leu Arg Ser Ser Pro Met
52 100 105 110
55 Val Gln Val Asp Glu Lys Gly Glu Lys Val Arg Pro Ser His Lys Arg
56 115 120 125
59 Cys Ile Val Ile Leu Arg Glu Ile Pro Glu Thr Thr Pro Ile Glu Glu
60 130 135 140
63 Val Lys Gly Leu Phe Lys Ser Glu Asn Cys Pro Lys Val Ile Ser Cys
64 145 150 155 160
67 Glu Phe Ala His Asn Ser Asn Trp Tyr Ile Thr Phe Gln Ser Asp Thr
68 165 170 175
71 Asp Ala Gln Gln Ala Phe Lys Tyr Leu Arg Glu Glu Val Lys Thr Phe
72 180 185 190
75 Gln Gly Lys Pro Ile Met Ala Arg Ile Lys Ala Ile Asn Thr Phe Phe
76 195 200 205
79 Ala Lys Asn Gly Tyr Arg Leu Met Asp Ser Ser Ile Tyr Ser His Pro

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80	210	215	220
83	Ile Gln Thr Gln Ala Gln Tyr Ala Ser Pro Val Phe Met Gln Pro Val		
84	225	230	235
87	Tyr Asn Pro His Gln Gln Tyr Ser Val Tyr Ser Ile Val Pro Gln Ser		240
88	245	250	255
91	Trp Ser Pro Asn Pro Thr Pro Tyr Phe Glu Thr Pro Leu Ala Pro Phe		
92	260	265	270
95	Pro Asn Gly Ser Phe Val Asn Gly Phe Asn Ser Pro Gly Ser Tyr Lys		
96	275	280	285
99	Thr Asn Ala Ala Ala Met Asn Met Gly Arg Pro Phe Gln Lys Asn Arg		
100	290	295	300
103	Val Lys Pro Gln Phe Arg Ser Ser Gly Gly Ser Glu His Ser Thr Glu		
104	305	310	315
107	Gly Ser Val Ser Leu Gly Asp Gly Gln Leu Asn Arg Tyr Ser Ser Arg		320
108	325	330	335
111	Asn Phe Pro Ala Glu Arg His Asn Pro Thr Val Thr Gly His Gln Glu		
112	340	345	350
115	Gln Thr Tyr Leu Gln Lys Glu Thr Ser Thr Leu Gln Val Glu Gln Asn		
116	355	360	365
119	Gly Asp Tyr Gly Arg Gly Arg Arg Thr Leu Phe Arg Gly Arg Arg Arg		
120	370	375	380
123	Arg Glu Asp Asp Arg Ile Ser Arg Pro His Pro Ser Thr Ala Glu Ser		
124	385	390	395
127	Lys Ala Pro Thr Pro Lys Phe Asp Leu Leu Ala Ser Asn Phe Pro Pro		400
128	405	410	415
131	Leu Pro Gly Ser Ser Ser Arg Met Pro Gly Glu Leu Val Leu Glu Asn		
132	420	425	430
135	Arg Met Ser Asp Val Val Lys Gly Val Tyr Lys Glu Lys Asp Asn Glu		
136	435	440	445
139	Glu Leu Thr Ile Ser Cys Pro Val Pro Ala Asp Glu Gln Thr Glu Cys		
140	450	455	460
143	Thr Ser Ala Gln Gln Leu Asn Met Ser Thr Ser Ser Pro Cys Ala Ala		
144	465	470	475
147	Glu Leu Thr Ala Leu Ser Thr Thr Gln Gln Glu Lys Asp Leu Ile Glu		480
148	485	490	495
151	Asp Ser Ser Val Gln Lys Asp Gly Leu Asn Gln Thr Thr Ile Pro Val		
152	500	505	510
155	Ser Pro Pro Ser Thr Thr Lys Pro Ser Arg Ala Ser Thr Ala Ser Pro		
156	515	520	525
159	Cys Asn Asn Asn Ile Asn Ala Ala Thr Ala Val Ala Leu Gln Glu Pro		
160	530	535	540
163	Arg Lys Leu Ser Tyr Ala Glu Val Cys Gln Lys Pro Pro Lys Glu Pro		
164	545	550	555
167	Ser Ser Val Leu Val Gln Pro Leu Arg Glu Leu Arg Ser Asn Val Val		560
168	565	570	575
171	Ser Pro Thr Lys Asn Glu Asp Asn Gly Ala Pro Glu Asn Ser Val Glu		
172	580	585	590
175	Lys Pro His Glu Lys Pro Glu Ala Arg Ala Ser Lys Asp Tyr Ser Gly		
176	595	600	605

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179 Phe Arg Gly Asn Ile Ile Pro Arg Gly Ala Ala Gly Lys Ile Arg Glu
180 610 615 620
183 Gln Arg Arg Gln Phe Ser His Arg Ala Ile Pro Gln Gly Val Thr Arg
184 625 630 635 640
187 Arg Asn Gly Lys Glu Gln Tyr Val Pro Pro Arg Ser Pro Lys
188 645 650
191 <210> SEQ ID NO: 2
192 <211> LENGTH: 72
193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 2
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199 1 5 10 15
202 Glu Thr Arg Ala Leu Phe Met Pro Arg Glu Asp Thr Ala Arg Pro Gln
203 20 25 30
206 Ser Ala Ser Gln Glu Glu Ser Ser Arg Glu Pro Asp His Ala Gly Thr
207 35 40 45
210 Leu Ile Val Asp Ile Ser Thr Ser Arg Thr Val Ile Gln Asn Ala Tyr
211 50 55 60
214 Val Ser Leu Glu Glu Thr Leu Lys
215 65 70
218 <210> SEQ ID NO: 3
219 <211> LENGTH: 367
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
223 <400> SEQUENCE: 3
225 Met Leu Pro Pro Arg Arg Leu Gln Thr Leu Leu Arg Gln Ala Val Glu
226 1 5 10 15
229 Leu Gln Arg Asp Arg Cys Leu Tyr His Asn Thr Lys Leu Asp Asn Asn
230 20 25 30
233 Leu Asp Ser Val Ser Leu Leu Ile Asp His Val Cys Ser Arg Arg Gln
234 35 40 45
237 Phe Pro Cys Tyr Thr Gln Gln Ile Leu Thr Glu His Cys Asn Glu Val
238 50 55 60
241 Trp Phe Cys Lys Phe Ser Asn Asp Gly Thr Lys Leu Ala Thr Gly Ser
242 65 70 75 80
245 Lys Asp Thr Thr Val Ile Ile Trp Gln Val Asp Pro Asp Thr His Leu
246 85 90 95
249 Leu Lys Leu Leu Lys Thr Leu Glu Gly His Ala Tyr Gly Val Ser Tyr
250 100 105 110
253 Ile Ala Trp Ser Pro Asp Asp Asn Tyr Leu Val Ala Cys Gly Pro Asp
254 115 120 125
257 Asp Cys Ser Glu Leu Trp Leu Trp Asn Val Gln Thr Gly Glu Leu Arg
258 130 135 140
261 Thr Lys Met Ser Gln Ser His Glu Asp Ser Leu Thr Ser Val Ala Trp
262 145 150 155 160
265 Asn Pro Asp Gly Lys Arg Phe Val Thr Gly Gly Gln Arg Gly Gln Phe
266 165 170 175
269 Tyr Gln Cys Asp Leu Asp Gly Asn Leu Leu Asp Ser Trp Glu Gly Val

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270 180 185 190
 273 Arg Val Gln Cys Leu Trp Cys Leu Ser Asp Gly Lys Thr Val Leu Ala
 274 195 200 205
 277 Ser Asp Thr His Gln Arg Ile Arg Gly Tyr Asn Phe Glu Asp Leu Thr
 278 210 215 220
 281 Asp Arg Asn Ile Val Gln Glu Asp His Pro Ile Met Ser Phe Thr Ile
 282 225 230 235 240
 285 Ser Lys Asn Gly Arg Leu Ala Leu Leu Asn Val Ala Thr Gln Gly Val
 286 245 250 255
 289 His Leu Trp Asp Leu Gln Asp Arg Val Leu Val Arg Lys Tyr Gln Gly
 290 260 265 270
 293 Val Thr Gln Gly Phe Tyr Thr Ile His Ser Cys Phe Gly Gly His Asn
 294 275 280 285
 297 Glu Asp Phe Ile Ala Ser Gly Ser Glu Asp His Lys Val Tyr Ile Trp
 298 290 295 300
 301 His Lys Arg Ser Glu Leu Pro Ile Ala Glu Leu Thr Gly His Thr Arg
 302 305 310 315 320
 305 Thr Val Asn Cys Val Ser Trp Asn Pro Gln Ile Pro Ser Met Met Ala
 306 325 330 335
 309 Ser Ala Ser Asp Asp Gly Thr Val Arg Ile Trp Gly Pro Ala Pro Phe
 310 340 345 350
 313 Ile Asp His Gln Asn Ile Glu Glu Glu Cys Ser Ser Met Asp Ser
 314 355 360 365
 317 <210> SEQ ID NO: 4
 318 <211> LENGTH: 188
 319 <212> TYPE: PRT
 320 <213> ORGANISM: Homo sapiens
 322 <400> SEQUENCE: 4
 324 Met Asp Val Asn Ile Ala Pro Leu Arg Ala Trp Asp Asp Phe Phe Pro
 325 1 5 10 15
 328 Gly Ser Asp Arg Phe Ala Arg Pro Asp Phe Arg Asp Ile Ser Lys Trp
 329 20 25 30
 332 Asn Asn Arg Val Val Ser Asn Leu Leu Tyr Tyr Gln Thr Asn Tyr Leu
 333 35 40 45
 336 Val Val Ala Ala Met Met Ile Ser Ile Val Gly Phe Leu Ser Pro Phe
 337 50 55 60
 340 Asn Met Ile Leu Gly Gly Ile Val Val Val Leu Val Phe Thr Gly Phe
 341 65 70 75 80
 344 Val Trp Ala Ala His Asn Lys Asp Val Leu Arg Arg Met Lys Lys Arg
 345 85 90 95
 348 Tyr Pro Thr Thr Phe Val Met Val Val Met Leu Ala Ser Tyr Phe Leu
 349 100 105 110
 352 Ile Ser Met Phe Gly Gly Val Met Val Phe Val Phe Gly Ile Thr Phe
 353 115 120 125
 356 Pro Leu Leu Leu Met Phe Ile His Ala Ser Leu Arg Leu Arg Asn Leu
 357 130 135 140
 360 Lys Asn Lys Leu Glu Asn Lys Met Glu Gly Ile Gly Leu Lys Arg Thr
 361 145 150 155 160
 364 Pro Met Gly Ile Val Leu Asp Ala Leu Glu Gln Gln Glu Gly Ile

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Input Set : A:\PTO.SR.txt
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365 165 170 175
368 Asn Arg Leu Thr Asp Tyr Ile Ser Lys Val Lys Glu
369 180 185
372 <210> SEQ ID NO: 5
373 <211> LENGTH: 398
374 <212> TYPE: PRT
375 <213> ORGANISM: Homo sapiens
377 <400> SEQUENCE: 5
379 Met Met Leu Lys Gly Ile Thr Arg Leu Ile Ser Arg Ile His Lys Leu
380 1 5 10 15
383 Asp Pro Gly Arg Phe Leu His Met Gly Thr Gln Ala Arg Gln Ser Ile
384 20 25 30
387 Ala Ala His Leu Asp Asn Gln Val Pro Val Glu Ser Pro Arg Ala Ile
388 35 40 45
391 Ser Arg Thr Asn Glu Asn Asp Pro Ala Lys His Gly Asp Gln His Glu
392 50 55 60
395 Gly Gln His Tyr Asn Ile Ser Pro Gln Asp Leu Glu Thr Val Phe Pro
396 65 70 75 80
399 His Gly Leu Pro Pro Arg Phe Val Met Gln Val Lys Thr Phe Ser Glu
400 85 90 95
403 Ala Cys Leu Met Val Arg Lys Pro Ala Leu Glu Leu Leu His Tyr Leu
404 100 105 110
407 Lys Asn Thr Ser Phe Ala Tyr Pro Ala Ile Arg Tyr Leu Leu Tyr Gly
408 115 120 125
411 Glu Lys Gly Thr Gly Lys Thr Leu Ser Leu Cys His Val Ile His Phe
412 130 135 140
415 Cys Ala Lys Gln Asp Trp Leu Ile Leu His Ile Pro Asp Ala His Leu
416 145 150 155 160
419 Trp Val Lys Asn Cys Arg Asp Leu Leu Gln Ser Ser Tyr Asn Lys Gln
420 165 170 175
423 Arg Phe Asp Gln Pro Leu Glu Ala Ser Thr Trp Leu Lys Asn Phe Lys
424 180 185 190
427 Thr Thr Asn Glu Arg Phe Leu Asn Gln Ile Lys Val Gln Glu Lys Tyr
428 195 200 205
431 Val Trp Asn Lys Arg Glu Ser Thr Glu Lys Gly Ser Pro Leu Gly Glu
432 210 215 220
435 Val Val Glu Gln Gly Ile Thr Arg Val Arg Asn Ala Thr Asp Ala Val
436 225 230 235 240
439 Gly Ile Val Leu Lys Glu Leu Lys Arg Gln Ser Ser Leu Gly Met Phe
440 245 250 255
443 His Leu Leu Val Ala Val Asp Gly Ile Asn Ala Leu Trp Gly Arg Thr
444 260 265 270
447 Thr Leu Lys Arg Glu Asp Lys Ser Pro Ile Ala Pro Glu Glu Leu Ala
448 275 280 285
451 Leu Val His Asn Leu Arg Lys Met Met Lys Asn Asp Trp His Gly Gly
452 290 295 300
455 Ala Ile Val Ser Ala Leu Ser Gln Thr Gly Ser Leu Phe Lys Pro Arg
456 305 310 315 320
459 Lys Ala Tyr Leu Pro Gln Glu Leu Leu Gly Lys Glu Gly Phe Asp Ala

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/528,031

DATE: 03/25/2005
TIME: 09:09:12

Input Set : A:\PTO.SR.txt
Output Set: N:\CRF4\03252005\J528031.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date